

Mixing Day 2016

On Tuesday, April 5th this year, Delft Solids Solutions organized the first English edition of the Mixing Day. After extensive preparation and the finishing touches, around 8:45 am the first guests trickled in. Less than an hour later the room of the Van der Valk The Hague Nootdorp Hotel was filled with over 70 participants attending.

After a brief introduction by Johan Groen, the host of the day, Wim Oostra (Abbott Healthcare Products)



kicked off the seminar. With his clear lecture on the principles of mixing powders, he both informed and inspired the attendees. The emphasis of his lecture was focused on what mixing is exactly and what to take into account when mixing.

Then the floor was given to the second speaker of the day, Daan Goris. Daan is team leader at Hosokawa Micron. As an experienced speaker, he brought to light the various Hosokawa mixers, he discussed the different ranges and methods of mixing different products in

regards to the various mixer types. Bastiaan Soeteman, Managing Director of Lindor, had a complimentary lecture, discussing the different ranges of the various types of mixers and told about the gentle Lindor tumbling mixers making it specifically useful in unique cases such as mixing of fragile particles. He captivated the audience with his insightful and clear perspectives on mixing and ended the lecture with a practical demonstration of the laboratory-type 10 liter mixer.

After a short break the proverbial talking stick was passed on to Gabriele Meesters TUDelft / DSM with his insightful and visual story about what exactly segregation is. He discussed the various types of segregation. His lecture was filled with practical examples and supported his story with various sample materials that went around the room. Louk Peffer of Delft Solids Solutions had a lecture adding on to the story of Gabriele Meesters. Louk went further in discussing the method of analyzing the segregation behavior of powders and put particular emphasis on sampling. His informative lecture stressed the importance and relevance of good sampling in order to arrive at an accurate view.



During lunch time interesting conversations were conducted while enjoying a well-cared for lunch. After this break it was the turn of Marketta Uusi Penttila of Aspen Oss. She had a very interesting lecture about the mixing of pharmaceuticals, with a focus on the challenges and the importance of accurate mixing of APIs (Active Pharmaceutical Ingredients) and excipients, the

non-active substances in pills or capsules, for example, allowing the API to be better absorbed by the body, to improve the flavor, etc. In particular, she continued to press the relevance of the homogeneity of the API typically requiring the use of pre-blending. An interesting subject, with which this lecture only just scratched the surface.



After Marketta's lecture, the case studies were introduced and seven groups were formed, each working on a different case study devoted to either mixing, segregation or sampling. Ample time was given to work on a specific case for each team including the preparation of a flipchart to present the outcome of the group's discussion. The group interaction made a direct contribution to making the information expressed in the morning 'tangible'.

After the completion of the case studies the group presentations followed in which the results were discussed.

The different results led to further interaction and conversations, a number of which carried on during the networking reception at the end of the day.

It was an interesting day and we want to thank each and every one for contributing to a successful Mixing Day. The results of the feedback forms showed that the overall day was received as 'Good' to 'Very Good' something which make us happy of course, more importantly we received very useful feedback which we will take to heart when planning our next theme day.



Thank you for your contribution, also on behalf of the speakers, and we hope to see you again soon,

The Delft Solids Solutions Team

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